



PATENT
Application Serial No. 08/624,564
Attorney Docket No. 06518-0002-01

from a user interface to a hub;

carrying the digital data signal on a second pair of wires in the [same] twisted pair cable from the user interface to the hub;

transmitting a second analog video signal on a third pair of wires in the opposite direction from the direction in which the signal is sent on the first pair of wires; and

transmitting a second digital data signal on a fourth pair of wires in the opposite direction in which the data is sent on the second pair of wires; with all four pairs of wires being in the same twisted pair cable.

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7. (Amended) A method for the simultaneous transmission of analog video and digital data signals on a twisted pair cable, comprising the steps of:

transmitting the analog video signal on a first pair of wires in a twisted pair cable from a user interface to a hub;

carrying the digital data signal on a second pair of wires in the [same] twisted pair cable from the user interface to the hub;

attenuating the digital data signal to reduce its voltage before sending it out over the twisted pair wires in differential modes, so as to reduce the interference between the digital data signal and the analog video signal.

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9. (Amended) A method as recited in Claim 7, further comprising the step of sending the analog video and digital data signals to a switching matrix within the hub [the same switching matrix, so they can all be switched and sent to various users connected to the switching matrix].

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-- 14. A method for the simultaneous transmission of analog video and digital data signals on twisted pair cable, comprising the steps of:
transmitting the analog video signal and the digital data signal on a first pair of wires in a twisted pair cable; and
transmitting a second analog video signal and a second digital data signal on a second pair of wires in the opposite direction from the direction in which the signal is sent on the first pair of wires; wherein the first pair of wires and the second pair of wires are in the same twisted pair cable. --

REMARKS

In the Office Action dated October 4, 1999, the Examiner (1) rejected claim 6 under 35 U.S.C. §102(b) as being anticipated by Bordry et al. (U.S. Patent No. 5,130,793); and (2) rejected claims 7-9 under 35 U.S.C. §103(a) as being unpatentable over Bordy et al.; and (3) objected to claims 10-13.